

Big Bore Auto-Fill Valve



Weatherford®
Drilling & Intervention
Services

• Project Description

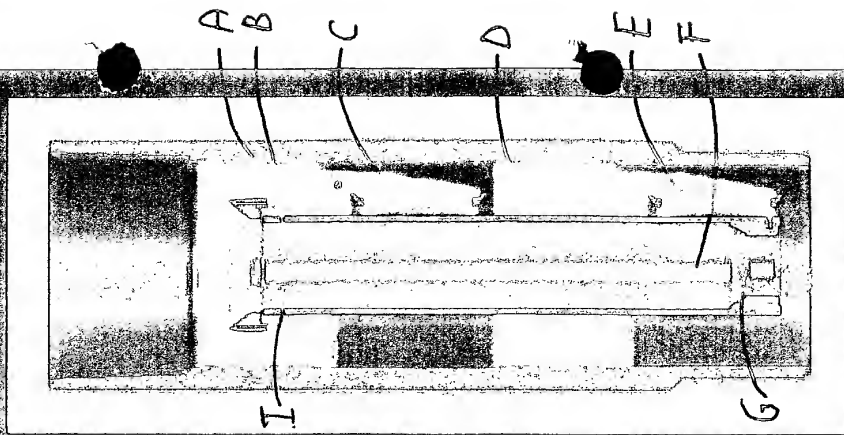
- Designed to minimize surge pressure effects and reduce potential of plugging float equipment with drill cuttings when running casing in close tolerance annuli.
- Features dual flappers with 3 1/4" bore auto-fill tube & 4" full bore flow path after auto-fill tube is sheared with 3 1/2" ball.
- Seat can be field converted to accommodate smaller trip balls.
- Potential savings of hundreds of thousands of dollars in reduced mud losses and improved casing running speeds.
- Aluminum and composite versions under development.
- Designed to meet API RP10F Category III B.

• Status

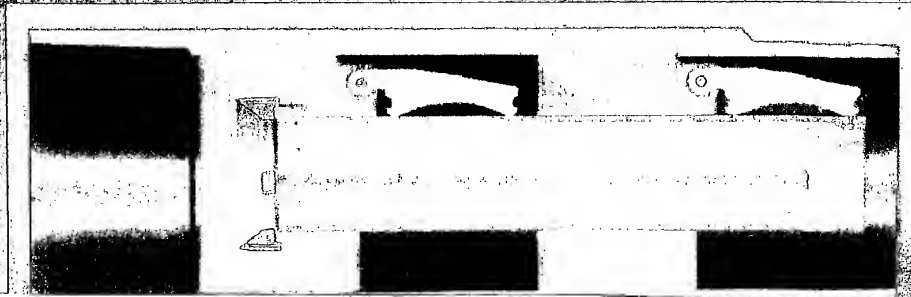
- Aluminum version currently in Lab Testing phase.

• 2001 Plan

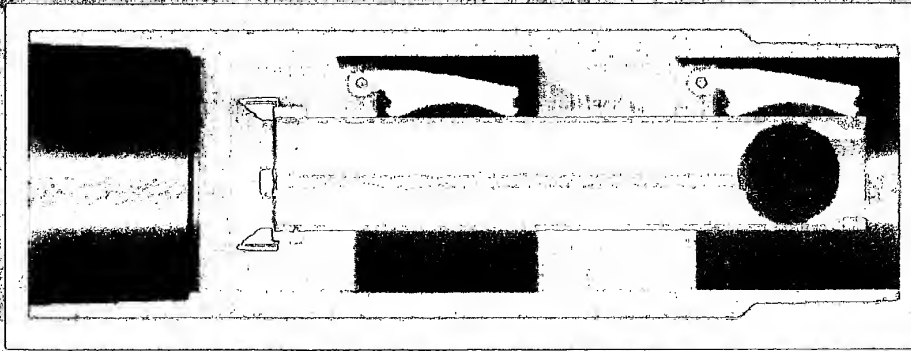
- Aluminum version ready for field testing by 2nd Quarter, 2001.
- Composite version under development.



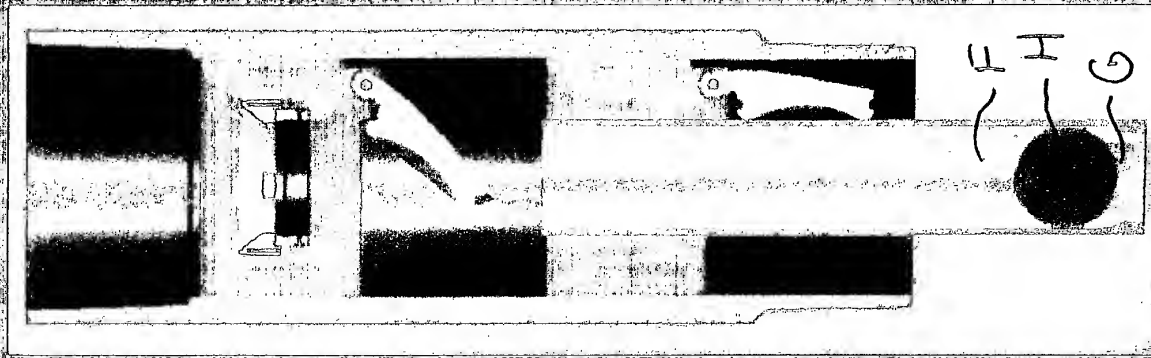
Running in Hole



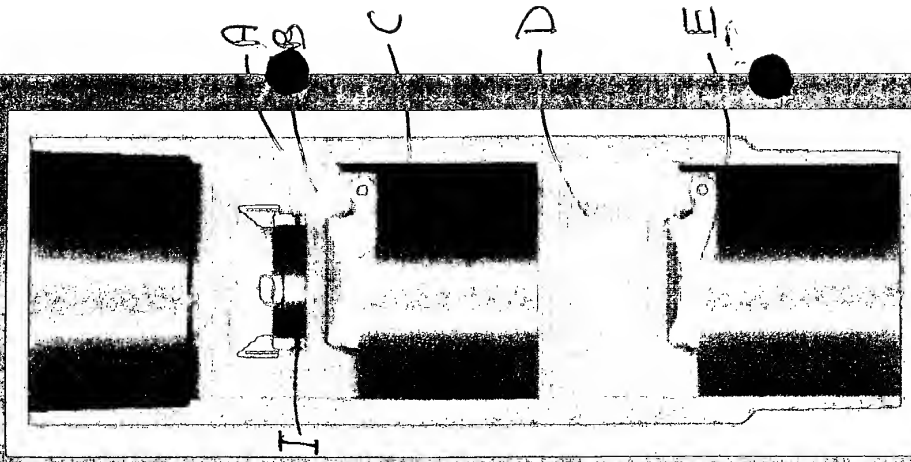
Ball Seated



Pressure & Conversion



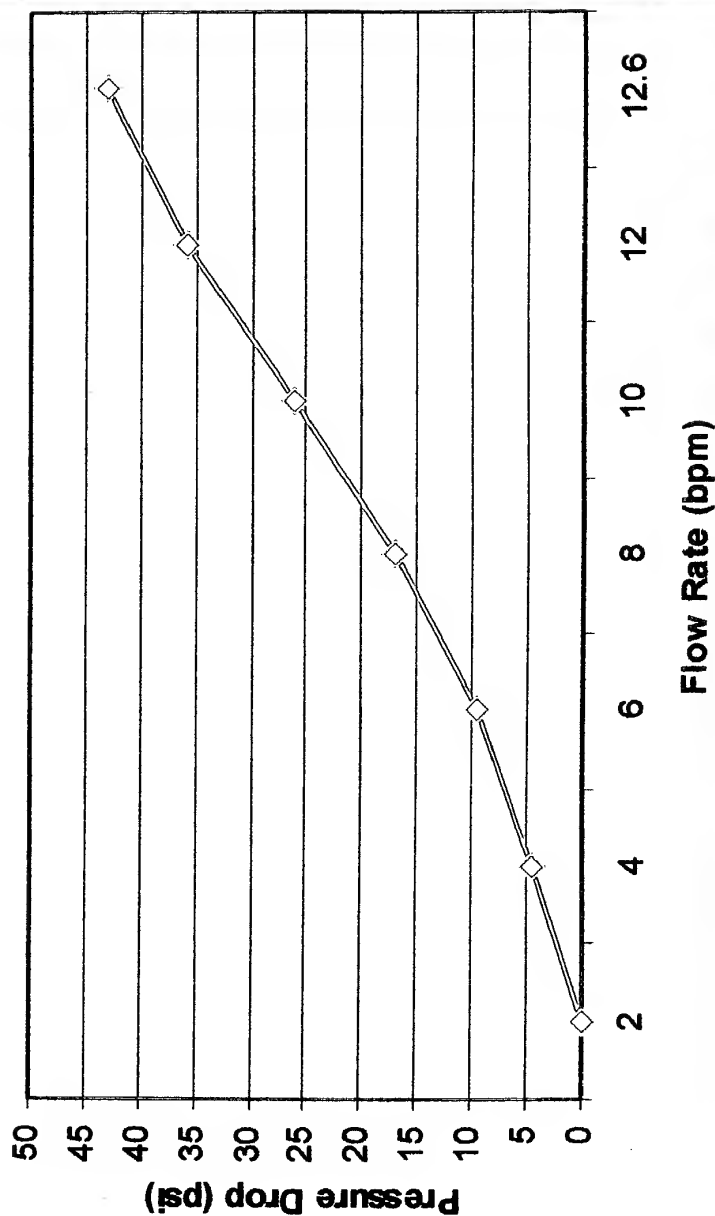
Converted Float Valve

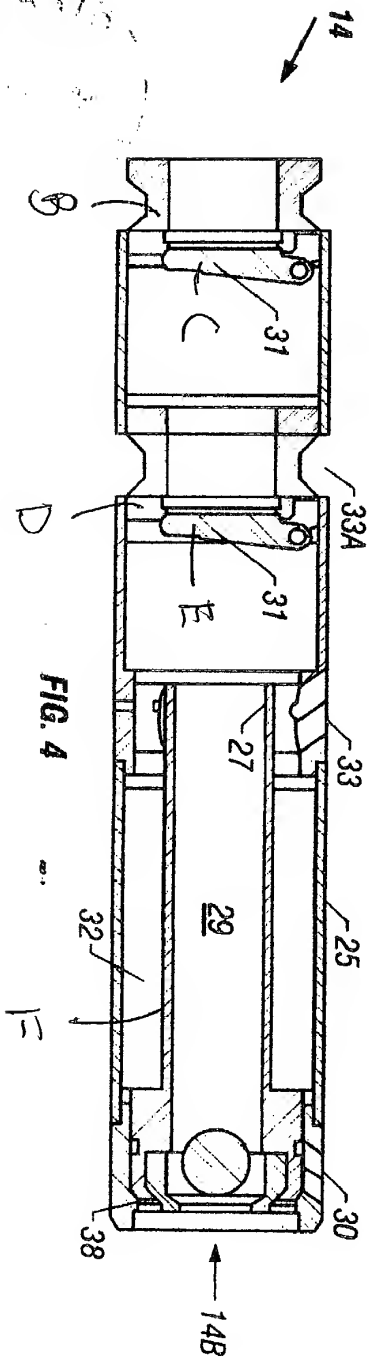
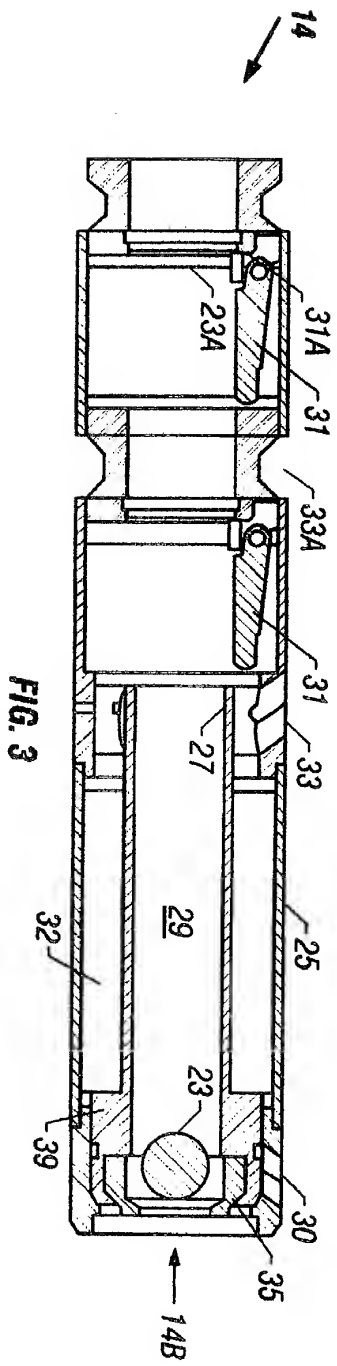
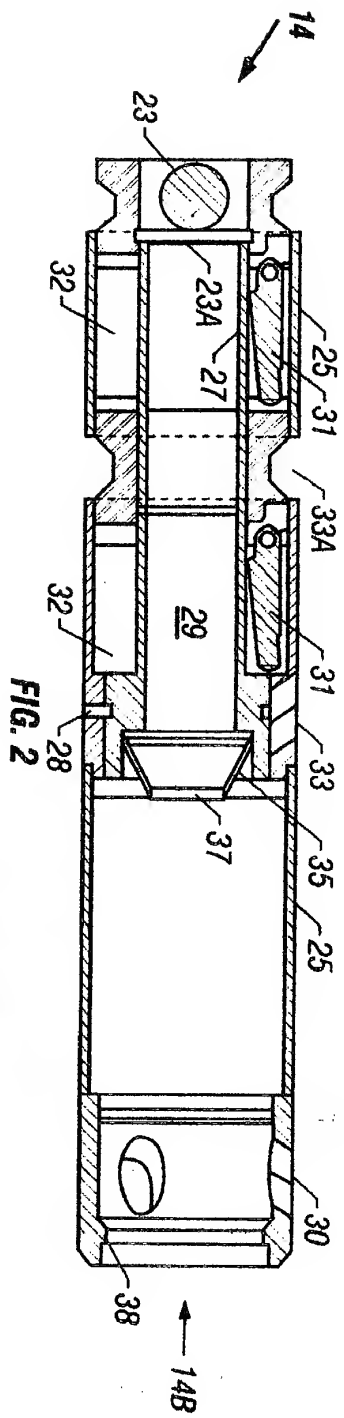


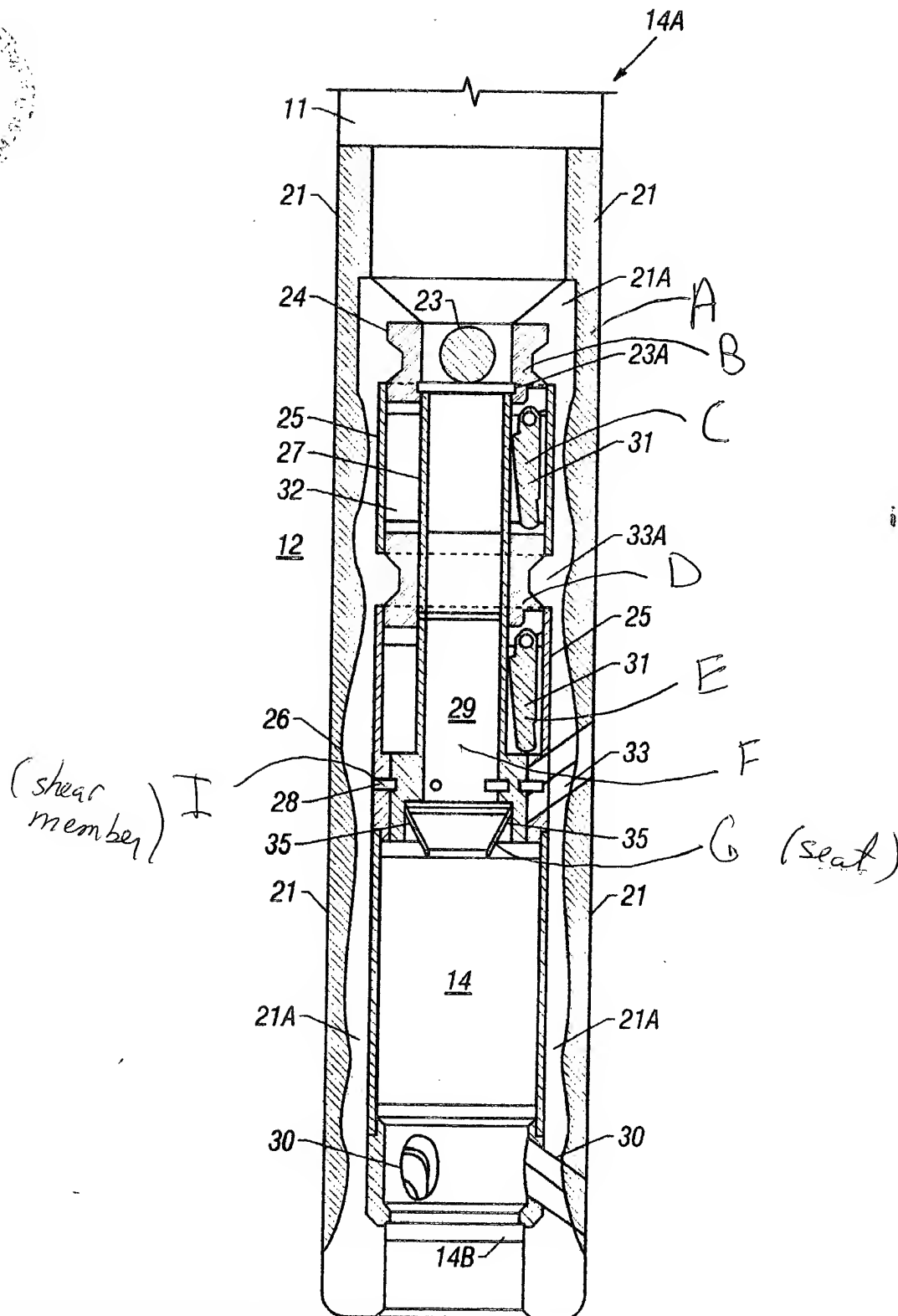


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455BB Float Collar







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